

### ABSTRACT OF THE DISCLOSURE

The present invention relates to methods and apparatus for increasing the perceived quality of displayed images. This is achieved in a variety of ways including the use of a plurality of device specific display characteristics when preparing images for display. It is also achieved through the monitoring of display device and/or ambient light conditions, e.g., on a periodic basis, and using the obtained information when controlling display output. Another approach to improving the perceived quality of displayed images involves the use of information relating to a specific user's ability to perceive image characteristics such as color. By customizing display output to an individual user's own physical perception capabilities and/or viewing characteristics it is possible to enhance the image quality perceived by the individual viewer as compared to embodiments which do not take into consideration individual user characteristics.

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